

California Energy Commission



CLASSIFICATION: Electric Generation Systems Specialist I

TENURE: Permanent

TIME BASE: Full-Time

SALARY: \$6,379.00 - \$7,663.00

LOCATION: Energy Systems Research Office
Energy Research and Development Division

FINAL FILING DATE: AUGUST 4, 2010

DUTIES/RESPONSIBILITIES: The EGSS I will address the research issues affecting the design, operation, and integration of new energy technologies; assess the ability of new and emerging energy efficiency and renewable generation technologies to be designed, developed, and deployed to help meet the RPS goals; identify methods, models, and techniques to evaluate energy system impacts; assess the impact of in community-scale energy efficiency and renewable generation technologies; develop, test, and field new computer models to determine the ideal characteristics, design, operation, and locations for desirable new energy efficiency and renewable technologies; reduce green house gases by increasing the penetration of high efficiency CHP technologies; and develop and publish scenarios detailing optimal configuration of new energy efficiency and renewable resources.

- Engage in completing analysis, evaluations, field demonstrations and systems tradeoffs on the ability of new and emerging energy efficiency, renewable generation and other energy technologies to conform to planning and operational elements of electric generation systems. Develop and use complex community-scale system models that will evaluate and assess the performance, reliability and capability of new energy technologies to perform in electricity systems both as individual technologies and within a larger portfolio of many different new technologies. Evaluate the ability of new technologies to fit in with present and future community-scale electricity generation resource adequacy. Using and interpreting the output of computer models, evaluate the potential impacts of the new technologies on state mandated goals such as higher levels of energy efficiency, electricity generation from renewable resources, reduction of greenhouse gas emissions, maintenance of reliable electricity delivery, reduction of natural gas use, greenhouse gas emissions, and the need for emission reduction credits.
- Coordinate research, design and development of new energy efficiency and renewable generation technologies to ensure that they will fit in with community-scale electricity systems in terms of operation, characteristics, and benefits. Oversees preparation of project work statements, budgets, schedules, measurable technical objectives used to determine project success; appropriate technical oversight of the contractors; project progress reports and project evaluations. Consults with stakeholders, research organizations, government, communities and utility representatives, private developers and technical experts to identify research, develop and demonstration opportunities in new energy efficiency and renewable generation technologies and the impact these new systems are expected to have on electrical systems. Brief Office, Division, Commission management and Commissioners.

RPA #510-001

Pos. #5400-4841-001

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- Review and edit reports, community-scale multiple-technology resource plans, contracts and other documents associated with the program. Establish and maintain project priorities, perform project evaluations, develop the work plans and budgets necessary to meet program and project goals.
- Consult with and advise the Energy Commission Supervisor II, Office Manager, Division management and Commissioners on a variety of energy systems integration and research needs related to energy efficiency and renewable technologies and their application on the community-scale systems. Participate in identification of issues and analytic methodologies.

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have:

- Excellent interpersonal skills and expected to work within a large team environment.
- Ability to communicate complicated information in a simple, consumer-friendly manner.
- Ability to coordinate interdisciplinary projects.

WHO MAY APPLY: All interested eligible persons are encouraged to apply. Applicants must have transfer, list, reinstatement, or SROA/Surplus eligibility. Please indicate your eligibility for this classification on the state application form, STD. 678. **Applications will be screened for experience and only the most qualified will be contacted for an interview.**

INTERESTED APPLICANTS SHOULD SUBMIT A COMPLETED STANDARD STATE APPLICATION (FORM STD. 678) TO:

Janet Gregory RPA#540-001
Personnel Office
1516 Ninth Street, M.S. #3
Sacramento, CA 95814
(916) 654-4311

**California Relay (Telephone) Service for the
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From Voice Phones: 1-800-735-2922